TOSHIBA

OWNER'S MANUAL

Color Television

COLORSTREAM®

Owner's Record

The model number and serial number are on the back of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV.

Model number: _____

Serial number: _____

34AS41

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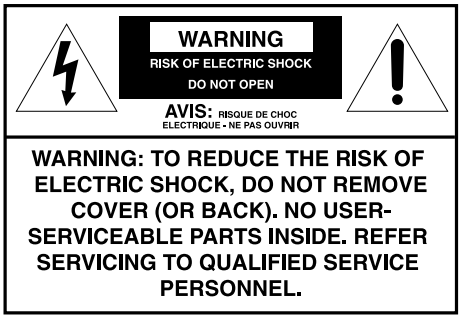
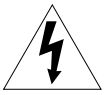
Important Information

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.


WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN
AVIS: RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR
WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning symbol in the triangle tells you that the voltage inside this product may be strong enough to cause an electric shock. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.

The exclamation mark in the triangle tells you that important operating and maintenance instructions follow this symbol.

CAUTION

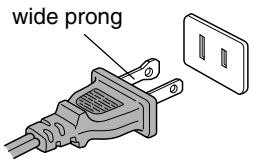
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD RECEPTACLE OR OTHER OUTLET UNLESS THE PRONGS CAN BE FULLY INSERTED INTO THE OUTLET TO PREVENT ANY EXPOSURE OF THE PRONGS ON THE POLARIZED PLUG.

ATTENTION

POUR PRÉVENIR LES CHOCS ÉLECTRIQUES NE PAS UTILISER CETTE FICHE POLARISÉE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ÊTRE INSÉRÉS À FOND SANS EN LAISSER AUCUNE PARTIE À DÉCOUVERT.

CAUTION

The plug has one prong wider than the other and will fit only one way into a standard electrical outlet (120 volt AC, 60 Hz). If the plug does not fit into the outlet, try turning it around. If the plug still does not fit, the outlet is probably non-standard and must be replaced by a qualified electrician. Do not tamper with the plug or try to force it into a non-standard outlet.



Note to CATV system installers in the USA

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC, which provides guidelines for proper grounding, and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Precautions

Installing your TV

- Place the TV on the floor or on a sturdy platform. The mounting surface should be flat and steady. If you install the TV on a soft floor, make sure that the floor is not damaged by the weight of the TV.
- Place the TV far enough away from the walls to allow proper ventilation. This will prevent the TV from overheating and avoid possible damage to the TV. Avoid dusty areas too.

Using your TV

- Do not stand or climb on the TV.
- Do not put any heavy object on top of the TV.
- Do not place containers with liquids such as drinks, aquariums, or lighted candles on the TV. If any foreign material or water leaks into the TV, unplug the power cord and contact your dealer.
- Avoid displaying stationary images on your TV screen for extended periods of time. Stationary patterns (such as those generated by computer displays, video games, or stock market reports) can become permanently engrained on the picture tube. This damage is not protected by your warranty because it is the result of misuse. If you wish to use your TV to display still images, reduce brightness and contrast settings. Never leave a computer or video game display unattended.

Cleaning your TV

- To clean the TV screen:
  1. Unplug the TV from the power outlet to avoid possible shock hazard.
  2. Use a clean, dry cellulose sponge or chamois cloth to clean TV screen and trim. Do not use liquid or aerosol cleaning agents. Liquid spilling into the TV cabinet may cause electric shock or damage the TV.

CAUTION

Never use strong solvents such as thinner, benzene, or other chemicals on or near the cabinet, as they can damage the finish of the cabinet.

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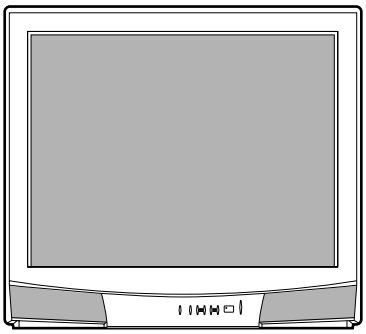
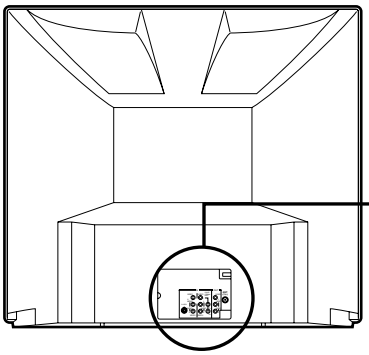
Introduction

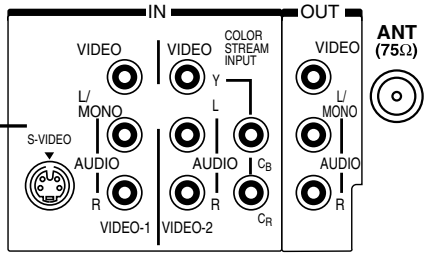
This owner's manual applies to model 34AS41. Instructions in this manual are based on using the buttons on the remote control. Write your model and serial numbers in the spaces provided on the cover for your records.

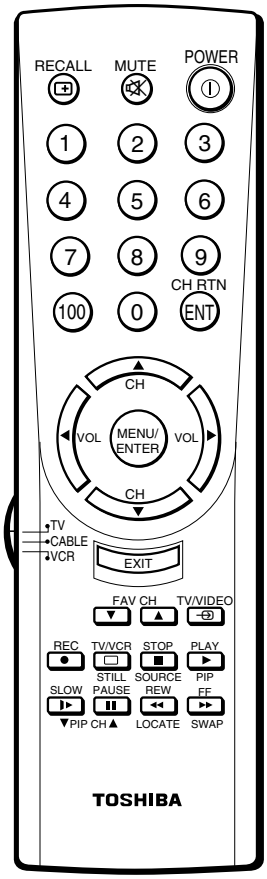
Exploring your new TV

You can operate your TV using the buttons on the front panel or the remote control.
The back panel provides all the terminal connections you will need to connect other equipment to your TV.









Selecting a location for your TV

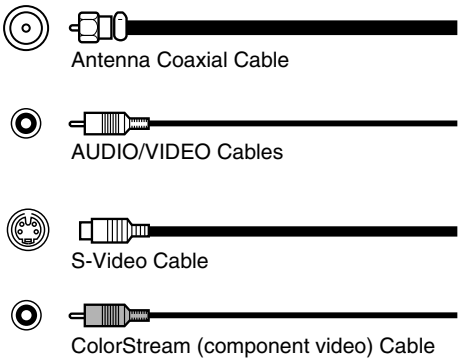
- Place the TV in a location where light does not directly hit the screen.
- Place the TV far enough from the walls to allow proper ventilation. Inadequate ventilation may cause overheating, which may damage the TV.

NOTE: Before installing your TV, please read the Important Information on page 2.

Connecting your TV

If you have not connected electronic equipment before, or you have been frustrated in the past, you may wish to read this section. (Cables are not supplied.)

- A coaxial cable is the standard cable that comes in from your antenna or cable converter box. Coaxial cables use "F" connectors.
- Audio and video cables are usually color-coded according to use: yellow for video; red and white for audio. The red audio cable is for the stereo right channel; the white audio cable is for the stereo (or mono) left channel. If you look at the back panel of the TV, you will see that the terminals are color-coded in the same manner as the cables.



Caution:
Do not plug in the TV power cord until you have finished connecting all of your equipment.

NOTE REGARDING PICTURE QUALITY

When connecting video equipment, such as a VCR or DVD player:

- For **GOOD** picture quality: Use regular video cables.
- For **BETTER** picture quality: If your equipment has S-video connections, use S-video cables *instead of* regular video cables.
- For **BEST** picture quality: If your equipment has component video connections (ColorStream™ is Toshiba's brand), use component video cables *instead of* regular or S-video cables. Component video cables come in sets of three.

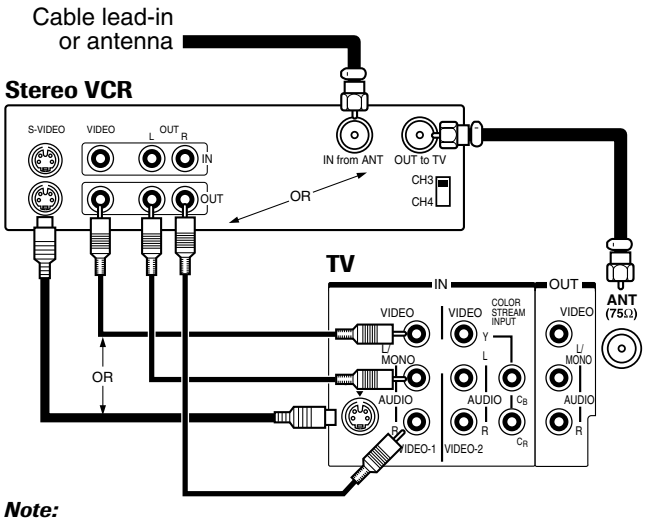
Note: Do not connect an S-video cable and a regular video cable to VIDEO-1 (on the TV) at the same time. Doing so will distort the picture.

Connecting a VCR

This connection allows you to watch TV and video programs and record one channel while watching another channel.

You will need:

- one coaxial cable
- one pair of audio cables (one single audio cable for a mono VCR)
- one video cable (for video cable type, see "Note Regarding Picture Quality" above).



Note:

If you have a mono VCR, connect L/Mono to VCR Audio OUT using only one audio cable.

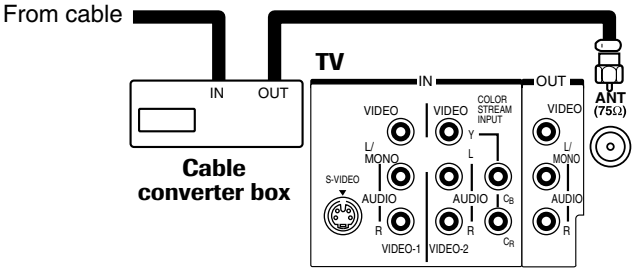
The VIDEO-2 jacks can be used for connecting a second piece of video equipment, such as a DVD player or camcorder (see "Note Regarding Picture Quality" above).

Connecting a cable converter box

This connection allows you to watch cable and premium channels. Tune the TV to channel 3 or 4 (whichever channel is vacant in your broadcast area), and then use the converter box to change channels.

You will need:

- one coaxial cable



Note:

When you use a converter box with your TV, you may not be able to program certain features using the remote control, such as blocking channels or programming your favorite channels.

Connecting your TV (continued)

Connecting a cable converter box and a VCR

This connection allows you to watch videotapes and watch and record basic and premium cable channels. Tune the TV and VCR channels to 3 or 4 (whichever channel is vacant in your area), and then use the converter box to change channels.

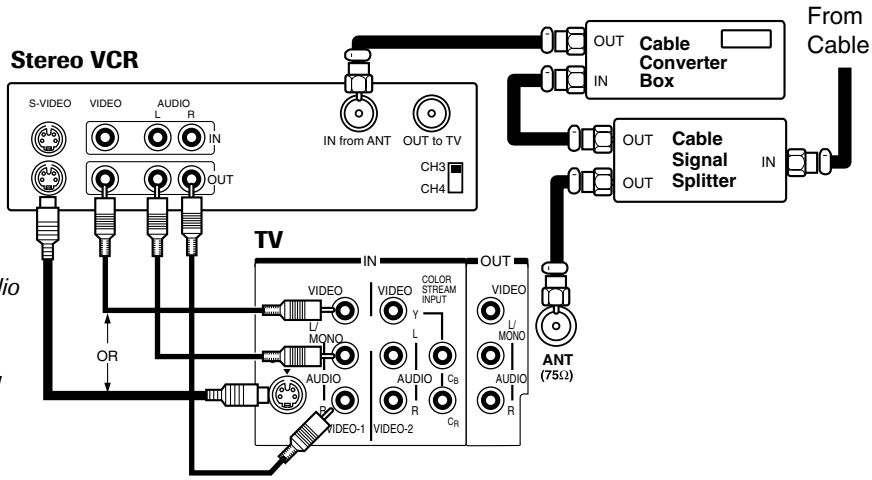
You will need:

- one cable signal splitter
- three coaxial cables
- one pair of audio cables (one single audio cable for a mono VCR)
- one video cable (for video cable type, see "Note Regarding Picture Quality" on page 5).

Note:

If you have a mono VCR, connect TV L/Mono Audio IN to VCR Audio OUT using only one audio cable.

When you use a converter box with your TV, you may not be able to program certain features using the remote control, such as blocking channels or programming your favorite channels.



Connecting a satellite receiver and a VCR

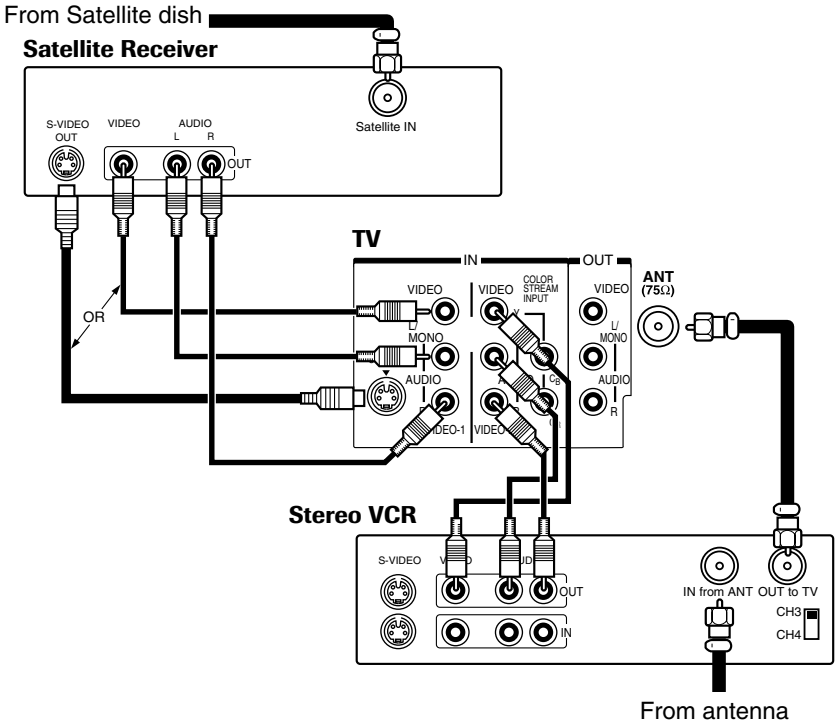
This connection allows you to watch satellite, VCR, and TV programs. You can record one TV channel while watching another channel.

You will need:

- one coaxial cable
- two pairs of audio cables (one single and one pair of audio cables for a mono VCR)
- two video cables (for video cable type, see "Note Regarding Picture Quality" on page 5).

Notes:

- *To watch from the satellite receiver, the TV must select VIDEO-1.*
- *To watch from the VCR, the TV must select VIDEO-2.*



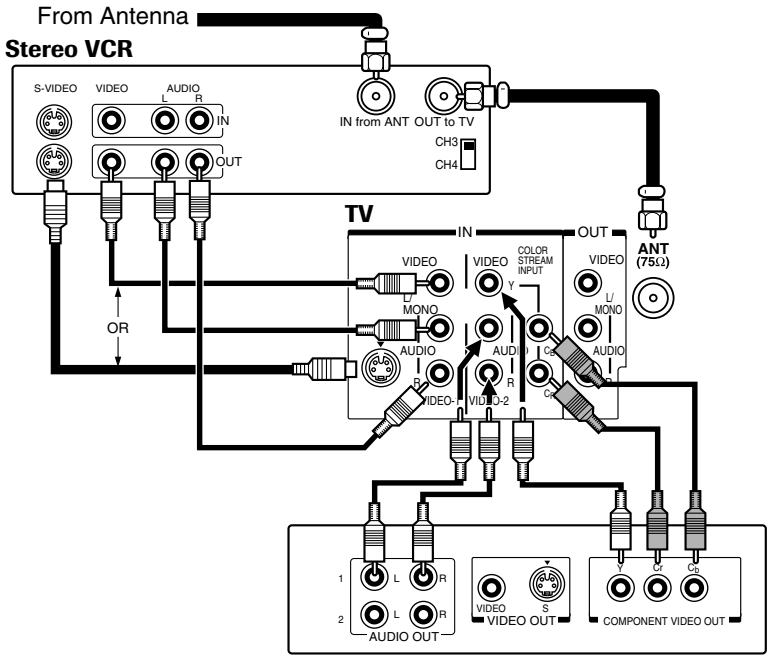
Connecting a DVD player with component video and a VCR

This connection allows you to watch DVD, VCR, and TV programs, and record TV programs. Your TV has ColorStream™ (component video) connections. Connecting your TV to a component video–compatible DVD player (such as a Toshiba DVD player with ColorStream™) can greatly enhance picture quality and performance.

You will need:
- one coaxial cable
- three pairs of audio cables (two single and one pair of audio cables for a mono VCR)
- two video cables (or, if your DVD player has component video, one video cable and one set of component video cables; see "Note Regarding Picture Quality" on page 5).

Caution:
The unauthorized recording of television programs, videotapes, and other materials may infringe upon the provisions of copyright laws.

Note:
- *To watch the VCR, the TV must select VIDEO-1.*
- *To watch the DVD player, the TV must select VIDEO-2.*



DVD player with component video

Connecting two VCRs

This connection allows you to record (dub/edit) from one VCR to another VCR while watching a videotape. You also can record from one TV channel while watching another channel.

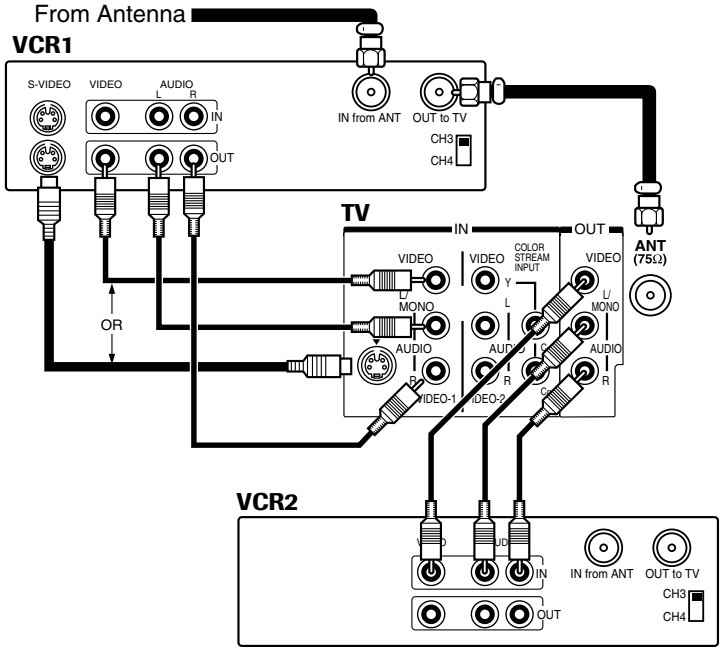
You will need:
- one coaxial cable
- two pairs of audio cables (two single audio cables for mono VCRs)
- two video cables (for video cable type, see "Note Regarding Picture Quality" on page 5).

Caution:
The unauthorized recording of television programs, videotapes, and other materials may infringe upon the provisions of copyright laws.

Note:

Do not connect the same VCR to both output and input jacks on the TV.

To record (dub/edit) from VCR 1 to VCR 2, the TV must select VIDEO-1, and VCR 2 must select LINE IN.



Preparing the remote control for use

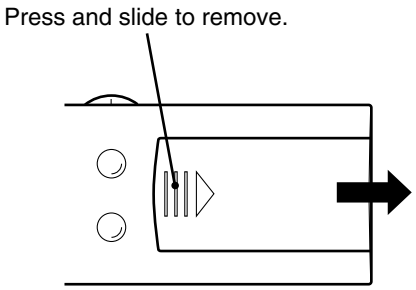
Your TV remote control can operate your TV together with most VCR models and cable TV converters, even if they are different brands.

If you have a Toshiba VCR, your TV remote control is already programmed to operate it (see page 10).

If you have a non-Toshiba VCR and/or cable TV converter, you must first program your remote control so it will operate the other equipment (see pages 11–13).

Installing the remote control batteries

1 Slide the battery cover off the back of the remote control.



Caution:

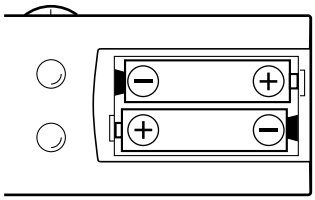
Dispose of batteries in a designated disposal area. Do not throw batteries into a fire.

Do not mix battery types or combine used batteries with new ones.

Remove dead batteries immediately to prevent battery acid from leaking into the battery compartment.

If you do not intend to use the remote control for a long time, remove the batteries.

2 Install two "AA" size batteries, making sure to match the + and – signs on the batteries to the signs on the battery compartment.



Note:

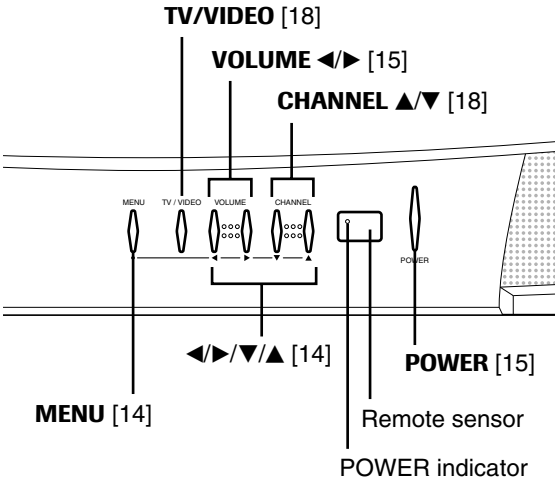
If your Toshiba TV remote control does not operate all of the features of your VCR or cable TV converter, you may need to use the remote control that came with your other equipment.

3 Slide the battery cover back onto the remote control until the lock snaps.

Location of controls on TV and remote control

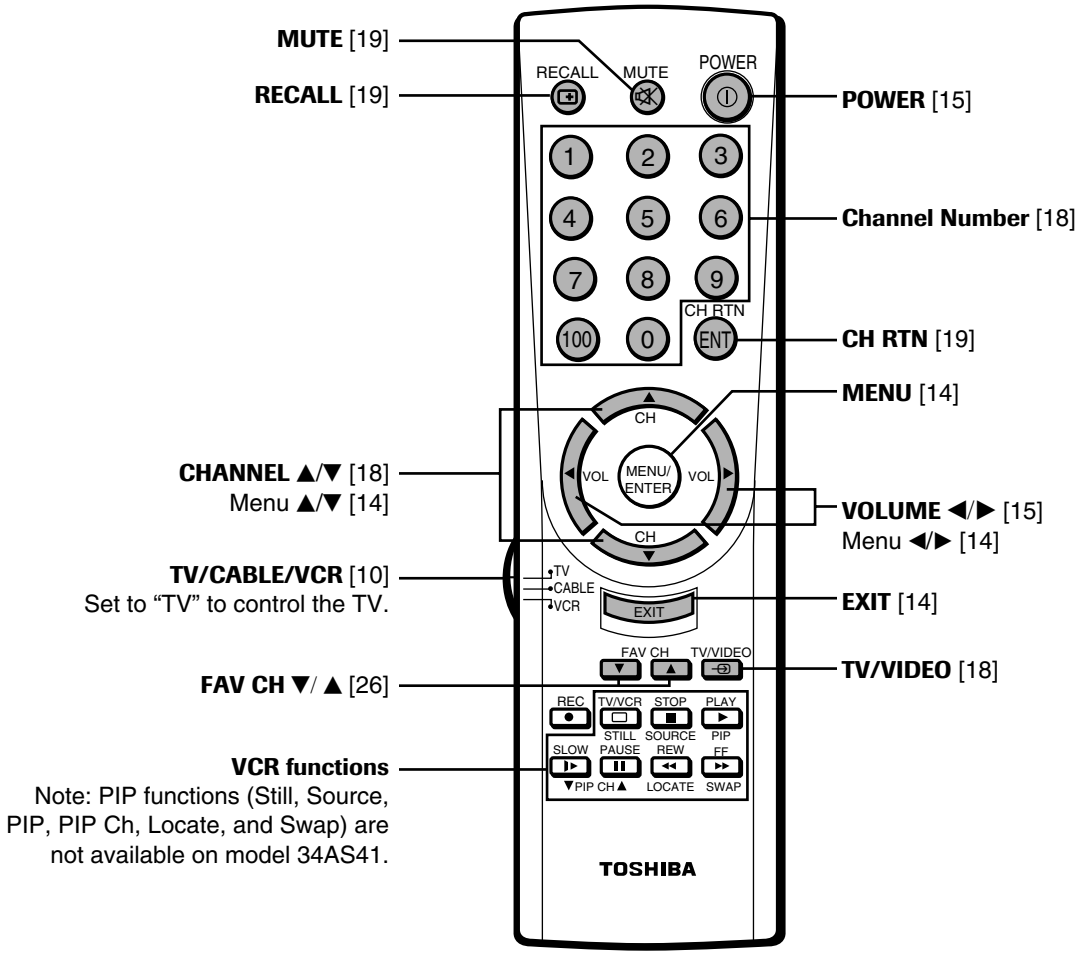
For details on the use of each control, refer to pages in brackets.

TV front panel



Remote control

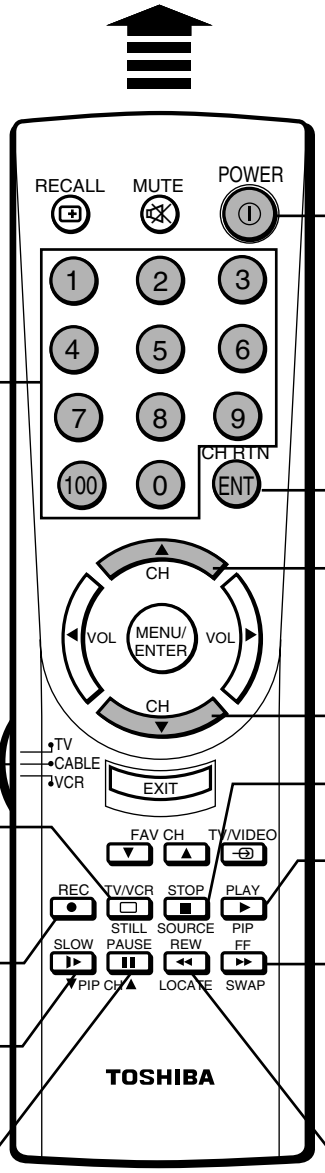
- The shaded buttons in the picture below glow in the dark.
- Only the buttons used to operate the TV are described here.



Using the remote control with a VCR or cable TV converter

- To use your TV remote control to operate a VCR, set the **TV/CABLE/VCR** switch to VCR. The shaded buttons shown in the picture below will then operate the VCR; the unshaded buttons will operate the TV as usual.
- To use your TV remote control to operate a cable TV converter, set the **TV/CABLE/VCR** switch to CABLE. The shaded buttons shown in the picture below will then operate the converter; the unshaded buttons will operate the TV as usual.
- If you have a non-Toshiba VCR or cable TV converter, you must first program the remote control to recognize your VCR or converter brand (see pages 11–13 for details).

Point the remote control at the VCR or cable TV converter



Channel Numbers
Press to directly access channels (as opposed to the Channel ▲/▼ buttons).

TV/CABLE/VCR Switch
Set to CABLE to control the cable converter; set to VCR to control the VCR.

TV/VCR
Press to select TV mode to view one program while recording another program.

REC
Starts tape recording.

SLOW
In play mode, press to view a slow-motion picture.

PAUSE
In play or record mode, press to freeze the picture; press again to release.

POWER
Turns the VCR (or cable TV converter) on and off.

ENTER
Required by some VCRs and cable TV converters to change the channel.

CHANNEL ▲/▼
▲ selects the next higher channel;
▼ selects the next lower channel.

STOP
Stops the tape.

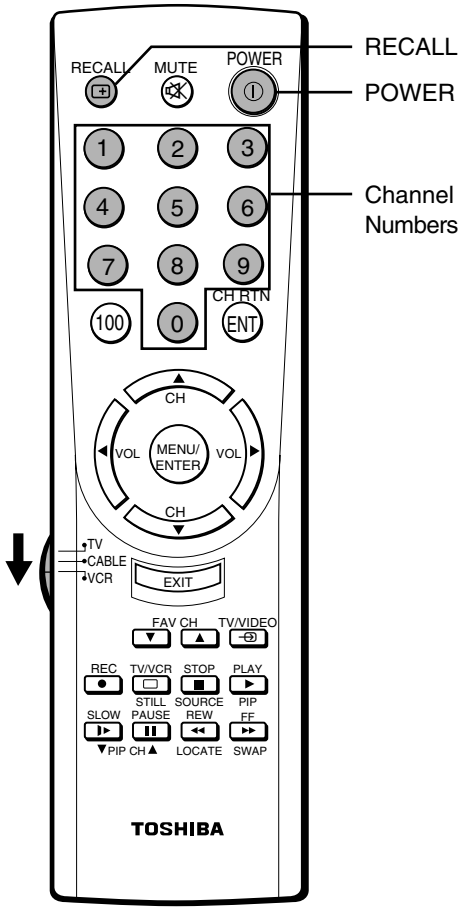
PLAY
Begins tape playback.

FF
Fast-forwards the tape.
In play mode, press to view the picture moving rapidly forward.

REW
Rewinds the tape.
In play mode, press to view the picture moving rapidly backward.

Programming the remote control for use with a non-Toshiba VCR or cable TV converter

Your Toshiba TV remote control is preprogrammed to operate Toshiba brand VCRs and cable TV converters. To program your TV remote control to operate a non-Toshiba VCR or a cable TV converter, follow these steps:



1 Find the code for your brand of VCR or cable TV converter in the code tables on pages 12–13.

If more than one code is listed, try each one separately until you find one that works.

2 Set the **TV/CABLE/VCR** switch to VCR (for a VCR), or CABLE (for a cable TV converter).

3 While holding down **RECALL**, press the **Channel Number** buttons to enter the 3-digit code for your brand of VCR or converter.

4 To test the code, turn the VCR or converter on, point the remote control at it, and press **POWER**.

- **If the correct code was entered**, the VCR or converter will turn off.
- **If the VCR or converter does not respond**, repeat steps 1–4 using another code.
- **If the VCR or converter does not respond to a different code**, you will need to use the remote control that came with your VCR or converter.

5 Set the **TV/CABLE/VCR** switch to TV to control the TV.

For future reference, write down the code(s) you used:

VCR Code _____

Cable TV Converter Code _____

Note:

You must reprogram the remote control when you change the batteries.

Some newer VCRs respond to either of two codes. These VCRs have a switch labeled "VCR1/VCR2." If your VCR has this kind of switch and does not respond to the codes for your VCR brand, set the switch to the other position ("VCR1" or "VCR2") and reprogram the remote control.

Programming the remote control for use with a non-Toshiba VCR or cable TV converter (continued)

In some rare cases, you may not be able to operate your non-Toshiba equipment with your TV remote control. Your other equipment may use a code that is not recognized by the TV remote control. If this happens, you will need to use the remote control provided with your other equipment.

VCR code table

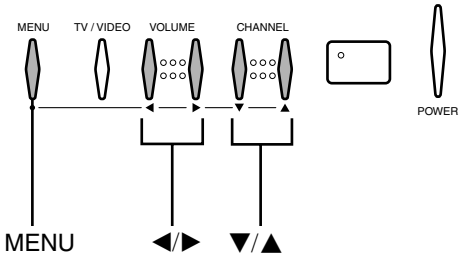
BRAND NAME	CODE NUMBER
Adventura	019
Aiko	297
Aiwa	019
Akai	060,068,080,125, 261
American High	054
Asha	259
Audiovox	056
Beaumark	259
Bell & Howell	123
Brandt	206
Broksonic	140,203,230,314, 380
Calix	056
Canon	054
Capehart	039
Carver	100
CCE	091,297
Citizen	056,297
Colt	091
Craig	056,066,091,259
Curtis Mathes	054,060,079
Cybernex	259
Daewoo	039,064,297
Daytron	039
Dynatech	019
Electrohome	056
Electrophonic	056
Emerex	051
Emerson	019,021,056,062, 080,087,140,203, 227,228,230,231, 297,313,314,380, 498
Fisher	066,073,085,123
Fuji	052,054
Funai	019,344
Garrard	019,344
GE	054,079,084,221
Goldstar	037,056,057
Gradiente	019
Harley Davidson	019
Harman/Kardon	057,094
Harwood	087,091
Headquarter	065
HI-Q	066
Hitachi	060,061,084,124, 185, 254
Jensen	060
JVC	027,060,086
Kenwood	057,060,086
KLH	091
Kodak	054,056
Lloyd	019
Lloyd's	227
Logik	091
LXI	056
Magnavox	054,058,100,129,168
Magnin	259
Marantz	054,100
Marta	056
Matsushita	054
MEI	054
Memorex	019,054,056,058, 065,066,067,123, 259
MGA	062,080
MGN Technology	259
Minolta	061,124
Mitsubishi	062,080,086,094 192,233,261
Motorola	054,067
MTC	019,259
Multitech	019,091
NAD	077
NEC	057,059,060,069,086
Nikko	056
Noblex	259
Olympus	054
Optimus	056,067,077,123
Optonica	081
Orion	498
Panasonic	054,096,181,244,473
Penney	054,056,057,059, 061,073,259
Pentax	061,084,124
Philco	054
Philips	054,081,100,129
Pilot	056
Pioneer	077,086
Portland	039
Protec	091
Pulsar	058
Quarter	065
Quarts	065
Quasar	054,096
Radio Shack	019,056,344
Radix	056
Randex	056
RCA	061,079,084,096, 124,125,168,221
Realistic	019,054,056,065, 066,067,081,085, 123,259
Ricoh	053
Runco	058
Samsung	064,259
Sanky	058,067
Sansui	060,086
Sanyo	065,066,123,259
Scott	062,064,140,203, 229,230,231
Sears	054,056,061,065, 066,073,085,123, 124
Sharp	067,081
Shintom	091
Shogun	259
Singer	091
Sony	051,052,053,054
STS	061
Sylvania	019,054,062,100, 129
Symphonic	019,344
Tatung	060
Teac	019,060
Technics	054,181
Teknika	019,054,056,071
Telefunken	206
TMK	227,259
Toshiba	062,064,085,229, 231,385
Totevision	056,259
Unitech	259
Vector	064
Vector Research	057,059
Video Concepts	059,064,080
Videosonic	259
Wards	019,054,061,066, 067,081,091,168, 231,259
XR-1000	019,054,091
Yamaha	057
Zenith	052,053,058

Cable TV converter code table

BRAND NAME	CODE NUMBER
ABC	020,022,026,027, 030,032,033,036, 066
Antronix	041
Archer	041,058,172
Belcor	075
Cable Star	075
Cabletenna	041
Cableview	041
Century	172
Citizen	172
Colour Voice	044,050
Comtronics	059,079
Contec	038
Dae Ryung	027
Eastern	021
Focus	419
Garrard	172
GC Electronics	075
Gemini	034,089
General Instrument	030,295
Goldstar	059,163
Hamlin	028,039,053,278, 292
Hitachi	030
Hytex	026
Jasco	172
Jerrold	022,030,031,033 034,066,295
Macom	052
Magnavox	046
Memorex	019
Movie Time	175
NSC	089,175
Oak	026,038,267
Panasonic	019,040,126
Paragon	019
Philips	044,046,047,048 049,050,172
Pioneer	042,163,552
Popular Mechanics	419
Pulsar	019
RCA	040
Recoton	419
Regal	039,278,292
Regency	021
Rembrandt	030,089
Runco	019
Samsung	059,163
Scientific Atlanta	025,027,036,296
Signal	034,059
Signature	030
SL Marx	059
Sprucer	040
Standard Components	174
Starcom	022,034,066
Stargate	034,059
Starquest	034
Sylvania	020
Teleview	059
Texscan	020
Tocom	031,032,078
Toshiba	019
Tusa	034
Unika	041,172
United Artists	026
United Cable	022
Universal	041,058,075,172
Viewstar	046,079,230
Zenith	019
Zentek	419

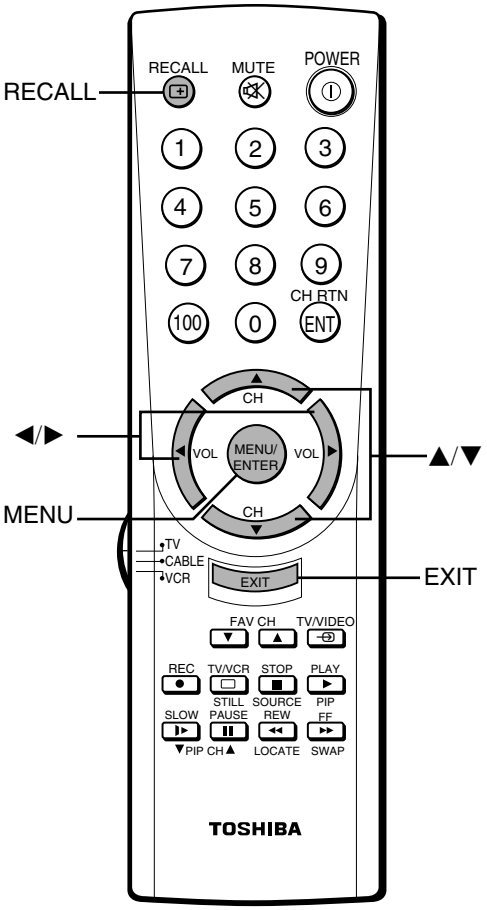
Menu function (general instructions)

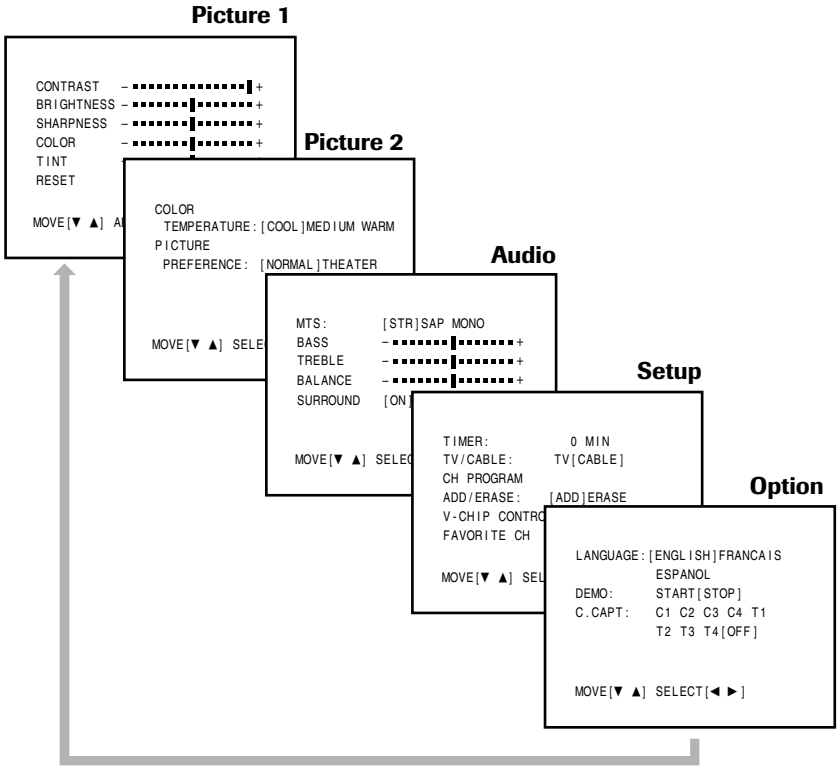
To adjust any TV feature, you must use the menu function. You can access the menus using the buttons on the TV or remote control.



The following are general instructions for using the menu system:

1. Repeatedly press **MENU** to select a menu (Picture, Audio, Setup, or Option, as shown below).
2. Press ▼ or ▲ to select the function you want to adjust in the menu. The selected function will be displayed in purple.
3. Press ◄ or ► to adjust the selected function.
4. The menus automatically disappear from the screen if no adjustments are made within 15 seconds. To clear an on-screen menu instantly, press **EXIT** on the remote control.





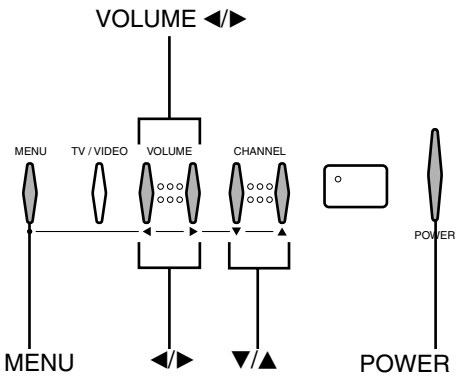
Note:

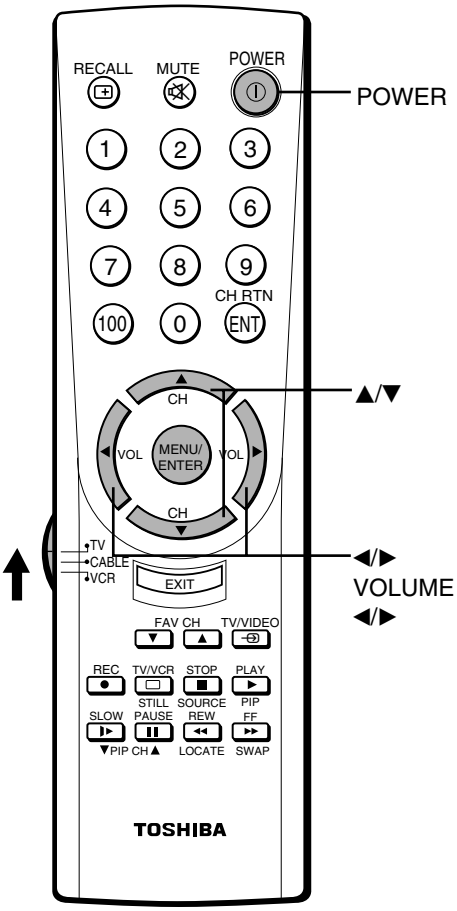
*The ◄/► buttons function as **VOLUME** ◄/► buttons when no menu is on-screen.*

*The ▲/▼ buttons function as **CHANNEL** ▲/▼ buttons when no menu is on-screen.*

Model 34AS41 does not have PIP features.

First-time operation



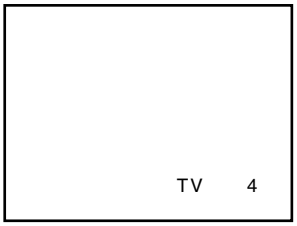


Turning the TV set on

1 Set the **TV/CABLE/VCR** switch on the remote control to TV.

2 Press **POWER** to turn the TV on.

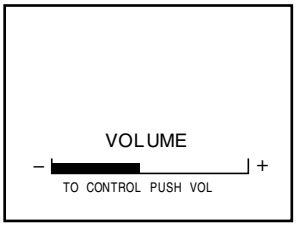
To turn the TV off, press **POWER** again.



3 Press **VOLUME ◄/►** to adjust the volume.

To increase the volume, press ►.

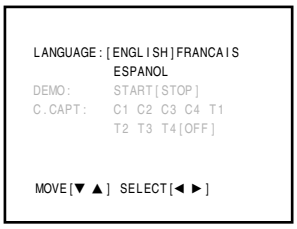
To decrease the volume, press ◄.



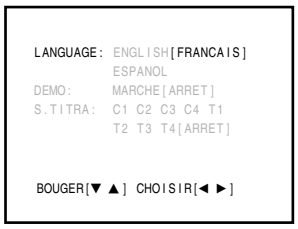
Selecting the on-screen display language

1 Press **MENU** until the Option menu is displayed on-screen.

2 Press ▲ or ▼ repeatedly until "LANGUAGE" is displayed in purple.



3 Press ◄ or ► until your desired language is displayed in purple.
For example, if you select FRANCAIS, the menu display language changes to French.



Understanding the Auto Power Off feature

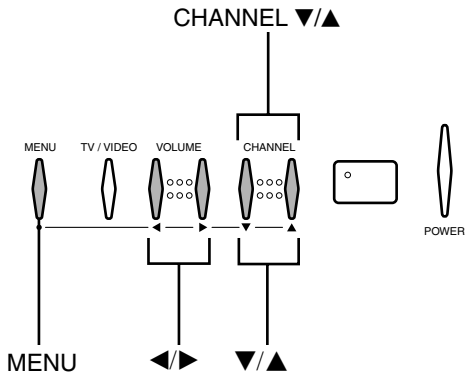
The TV automatically turns off after 15 minutes if it is tuned to a vacant channel or a station that has completed its broadcast for the day. This feature does not operate when the TV is in VIDEO mode.

Understanding the Last Mode Memory feature

If the power is cut off while you are viewing the TV, the Last Mode Memory feature automatically turns the TV on when the power is resupplied. If the power is going to be off for a long time and you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.

Programming the channel memory

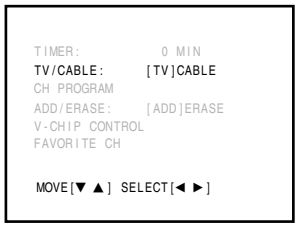
The channel memory is the list of TV channels your TV stops on when you press **CHANNEL ▲/▼**.
First, use the TV/CABLE and CH PROGRAM functions (below) to program all active channels in your area into the channel memory. Then use the ADD/ERASE function (page 17) to add/erase individual channels in the memory.



TV/CABLE function

1 Press **MENU** until the Setup menu is displayed on-screen.

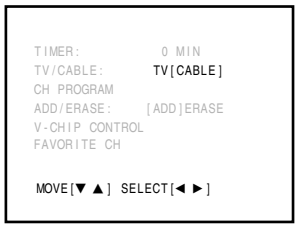
2 Press ▲ or ▼ until TV/CABLE is displayed in purple.

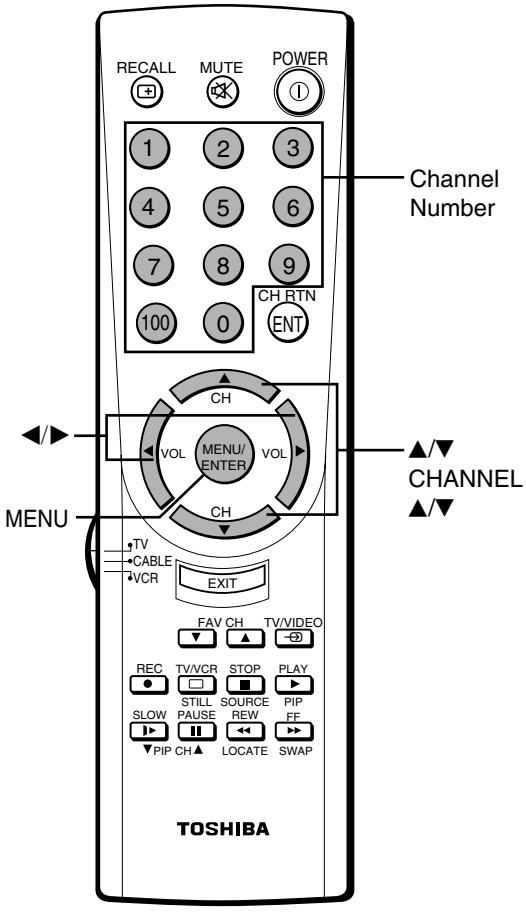


3 Press ◄ or ► until the mode that corresponds to your TV signal system displays in purple.

TV: TV broadcast signals (VHF channels 2 through 13 and UHF channels 14 through 69)

CABLE: Cable TV signals (Cable channels 1 through 125)



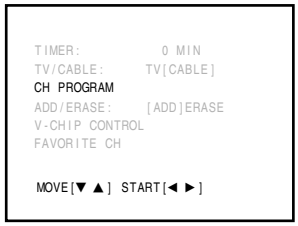


CH PROGRAM function

Use the CH PROGRAM function to automatically add all active channels to the channel memory.

1 Press **MENU** until the Setup menu is displayed on-screen.

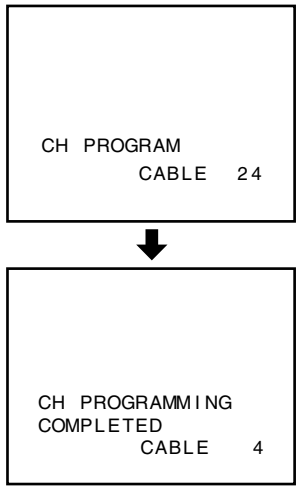
2 Press ▲ or ▼ repeatedly until "CH PROGRAM" is displayed in purple.



3 Press ◄ or ► to start channel programming. The TV automatically cycles through all the TV or CABLE channels (depending on the mode selected), and stores the active channels in the channel memory.

4 When channel programming is done, you will see the message, "Ch Programming Completed."

5 Press **CHANNEL ▲** or **▼** to scan through the programmed channels.



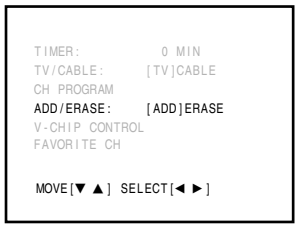
ADD/ERASE function

After using the CH PROGRAM function to automatically program channels into the channel memory, you can use the ADD/ERASE function to manually add or erase individual channels, as follows:

1 Select the channel you want to add or erase. If you are adding a channel, you must use the **Channel Number** buttons to select the channel.

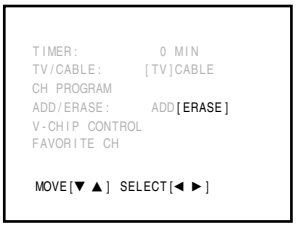
2 Press **MENU** until the Setup menu is displayed on-screen.

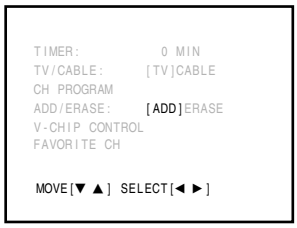
3 Press ▲ or ▼ until ADD/ERASE is displayed in purple.



4 **To add the channel:**
Press ◄ or ► until ADD is displayed in purple, indicating that the channel has been added to the channel memory.

To erase the channel:
Press ◄ or ► until ERASE is displayed in purple, indicating that the channel has been erased from the channel memory.





5 Repeat steps 1–4 for other channels.

6 Press ▲ or ▼ to select another item in the menu, or press EXIT on the remote control to return to viewing.

You have now finished programming the channel memory.

CABLE channel reference chart

Number on this TV	Corresponding CABLE channel	Number on this TV	Corresponding CABLE channel
1	A-8	67	67
5	5(A-7)	68	68
6	6(A-6)	69	69
14	A	⋮	⋮
15	B	92	92
16	C	93	93
⋮	⋮	94	94
34	U	95	A-5
35	V	96	A-4
36	W	97	A-3
37	AA	98	A-2
38	BB	99	A-1
⋮	⋮	100	100
60	XX	101	101
61	YY	102	102
62	ZZ	⋮	⋮
63	AAA	123	123
64	BBB	124	124
65	65	125	125
66	66		

The above chart is typical of many cable system channel allocations. If in doubt, consult your cable company.